

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,017,148 B2  
APPLICATION NO. : 09/903019  
DATED : March 21, 2006  
INVENTOR(S) : Kumar

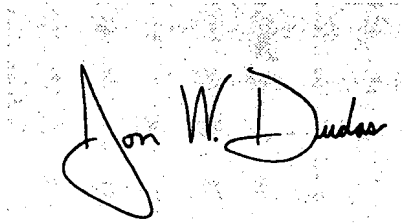
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 11, at line 33, delete "UTnP" and insert --UPnP--.

Signed and Sealed this

Twenty-seventh Day of November, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with the first name "Jon" and last name "Dudas" clearly legible, and "W." in the middle. The signature is written over a faint, rectangular, textured background.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*